

RESOLUTION-SCALABLE VIDEO COMPRESSION

ABSTRACT

A method of data compression. A multiple-level wavelet transform transforms image data of an original image. Motion compensation is performed on a low-frequency band of the transformed image data. This band is then inversely transformed and used to reconstruct a portion of the original image. The remaining portions of the original image are then reconstructed from that portion. This image data then becomes the basis of the next level of the wavelet transform and is transformed back into the wavelet domain. This process is repeated until all of the levels of the wavelet transform have been used.

Approved for Release